

# Signature Page

**Signed By**

ASISH ADHIKARY

**Organization**

CONTINENTAL CARBON CO

**URL**

<http://applications.deq.ok.gov/sleis/Document/Sign?facilityId=514465&reportId=283462>

**Agent**

Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/99.0.4844.84  
Safari/537.36

**IP**

204.87.81.131

**Time**

4/1/2022 8:26:56 AM

**Agreement #1**

This Electronic Reporting System ("System") has been established by the Oklahoma Department of Environmental Quality ("DEQ") for the use of businesses or entities required to file reports or other data pursuant to the laws and rules of DEQ and pertaining to matters under the jurisdiction of DEQ.

**Agreement #2**

I am a duly authorized representative of the business or entity submitting an electronic record or data to DEQ, and I have the authority to submit said records and/or data on behalf of the facility I am representing.

**Agreement #3**

I agree that use of this System combined with the user's login and password to sign the submission document constitutes an electronic signature equivalent to my written signature. I have reviewed the electronic report being submitted in its entirety and agree to the validity, accuracy, and completeness of the information contained within it to the best of my knowledge. I certify, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Agreement #4**

I am free to discontinue this transaction by selecting "Cancel"; otherwise, the records will be submitted to the DEQ, and the transaction will be complete.

**Confirmation Number**

S20220401082626-F333-R2021

## 2021 Emissions Inventory Report

### CONTINENTAL CARBON CO (125)

#### Emissions Summary for CARBON BLACK PRODUCTION FACILITY (333)

##### CRITERIA AIR POLLUTANT (CAP) EMISSIONS TOTALS

Pollutant Code/CAS #	Pollutant Name	Total Emissions (tons)*
CO	Carbon Monoxide	91.805
NOX	Nitrogen Oxides (NOx) expressed as NO2	1,037.429
PM10-PRI	PM10 - Primary (Filterable + Condensable)	178.648
PM25-PRI	PM2.5 - Primary (Filterable + Condensable)	178.648
SO2	Sulfur Oxides (SOx) expressed as SO2	2,248.464
VOC	Volatile Organic Compounds (VOCs)	13.309

##### HAZARDOUS AIR POLLUTANT (HAP) and/or OTHER POLLUTANT EMISSIONS TOTALS

Pollutant Code/CAS #	Pollutant Name	Is VOC/PM?	Total Emissions (tons)*
----------------------	----------------	------------	----------------------------

\*Rounded to 3 digits past the decimal point. Note that where rounding results in 0, <.001 is indicated.

**2021 Emissions Inventory Report**  
**CONTINENTAL CARBON CO (125)**  
**CARBON BLACK PRODUCTION FACILITY (333)**

**COMPANY**

**Mailing Address:** 1006 E OAKLAND AVE  
 PONCA CITY, OK 74601

**Contact Phone:** (580) 736-8111

**Contact FAX:** (580) 763-8150

**FACILITY**

**Facility Identifier:** 333 **Facility Name:** CARBON BLACK PRODUCTION FACILITY

**Status:** OP - Operating **Status Year:**

**NAICS:** 325180 (Primary) - Other Basic Inorganic Chemical Manufacturing

**Comments:**

**FACILITY - ADDRESS**

**Location Address:** 1006 E OAKLAND AVE  
 PONCA CITY, OK 74601

**FACILITY - LOCATION**

**Latitude (decimal degrees):** 36.66616 **Longitude (decimal degrees):** -97.07163

**Collection Method:** 014 - GPS code measurements (pseudo range) differential (DGPS) **Data Collection Date:** 08/12/2008

**Geographic Reference Point:** 101 - Entrance Point of a Facility, System, or Station **Geodetic Reference System:** 003 - World Geodetic System of 1984

**FACILITY - ADDITIONAL INFORMATION**

Field Name	Field Value
Oil & Gas Facility Category	Not Applicable
Permit Number(s)	92-092-C PSD M-1,2017-0914-TVR2,2004-302-C M-4,2004-302-C M-2
API/US Well Number	
SIC Number	2895
TRI Identifier (ID)	74602WTCCR1MLE

RELEASE POINTS					
ID	Type	Description	Status	Details	Location
18213	Vertical	Boiler NO 1 stack	OP in 2007	Height: 18.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 800.0 F, Flow Rate: 4,610.0 ACFM, Velocity: 97.827 FPS	Uses Facility Site Location
18214	Vertical	Boiler NO 2 Stack	OP in 2002	Height: 18.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 800.0 F, Flow Rate: 4,610.0 ACFM, Velocity: 97.827 FPS	Uses Facility Site Location
18215	Vertical with Rain Cap	CLEAN-UP BAG FILTER NO 1	OP in 2002	Height: 38.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
18216	Vertical	CLEAN-UP BAG FILTER NO 2	OP in 2007	Height: 38.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
18217	Goose Neck	CLEAN-UP BAG FILTER NO 3	OP in 2002	Height: 21.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
18218	Vertical with Rain Cap	CLEAN-UP BAG FILTER NO 4	OP in 2002	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
18219	Goose Neck	Shipping Dept CUBF NO 1	OP in 2002	Height: 30.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 72.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
18220	Vertical	Thermal Oxidizer NO 1 - TOx for Production Units 1 and 2	OP in 2002	Height: 150.0 FEET, Shape: Circular, Diameter: 10.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 116.6 FPS	Uses Facility Site Location
18221	Vertical	TO NO 2 - The TOx for Production Unit NO 3	OP in 2002	Height: 150.0 FEET, Shape: Circular, Diameter: 9.5 FEET, Temperature: 1,700.0 F, Flow Rate: 381,000.0 ACFM, Velocity: 89.6 FPS	Uses Facility Site Location
18222	Vertical	TO NO 4 - Production Unit NO 3	OP in 2002	Height: 213.0 FEET, Shape: Circular, Diameter: 7.0 FEET, Temperature: 1,700.0 F, Flow Rate: 369,200.0 ACFM, Velocity: 159.9 FPS	Uses Facility Site Location
18223	Fugitive Area	OB Storage Tank	OP in 2002	Fugitive Height: 120.0 FEET, Fugitive Width: 10.0 FEET, Fugitive Length: 10.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location
18224	Fugitive Area	Feedstock Storage Tank vent	OP in 2002	Fugitive Height: 33.0 FEET, Fugitive Width: 10.0 FEET, Fugitive Length: 10.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location
33538	Fugitive Area	Shipping Dept. CUBF NO 2	OP in 2005	Fugitive Height: 30.0 FEET, Fugitive Width: 6.0 FEET, Fugitive Length: 6.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location
41618	Horizontal	Sealed Bin Clean Up Bag Filter	OP in 2008	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
47207	Vertical	Thermal Oxidizer NO 1	OP in 2010	Height: 150.0 FEET, Shape: Circular, Diameter: 11.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 97.24 FPS	Uses Facility Site Location
47234	Vertical	Thermal Oxidizer NO 1	OP in 2010	Height: 150.0 FEET, Shape: Circular, Diameter: 11.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 97.24 FPS	Uses Facility Site Location
47238	Vertical	Thermal Oxidizer NO 2	OP in 2010	Height: 150.0 FEET, Shape: Circular, Diameter: 9.5 FEET, Temperature: 1,700.0 F, Flow Rate: 381,000.0 ACFM, Velocity: 89.59 FPS	Uses Facility Site Location
47239	Vertical	Thermal Oxidizer NO 3	OP in 2007	Height: 213.0 FEET, Shape: Circular, Diameter: 7.0 FEET, Temperature: 1,700.0 F, Flow Rate: 369,200.0 ACFM, Velocity: 159.9 FPS	Uses Facility Site Location
104185	Vertical with Rain Cap	EPN 3	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104186	Vertical	EPN 7	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104187	Vertical	EPN 11	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location

ID	Type	Description	Status	Details	Location
104188	Vertical	EPN 20	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104189	Vertical	EBF 4	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104190	Vertical	Sealed Bin Clean-Up Bagfiller NO 2	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104191	Vertical	Transloading Clean-Up Bagfilter	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104197	Vertical	Dryer 11 Firebox stack	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104198	Vertical with Rain Cap	Dryer 12 Firebox	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104199	Vertical	Dryer 21 Firebox	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104200	Vertical	Dryer 31 Firebox	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104201	Vertical	Dryer 32 Firebox	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104202	Vertical	Dryer 41 Firebox	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104203	Vertical	Reactor 11	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104204	Vertical	Reactor 12	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104205	Vertical	Reactor 21	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104206	Vertical	Reactor 31	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104207	Vertical	Reactor 32	OP in 2011	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104208	Vertical	Reactor 41	OP in 2007	Height: 35.0 FEET, Shape: Circular, Diameter: 1.0 FEET, Temperature: 70.0 F, Flow Rate: 5,000.0 ACFM, Velocity: 106.1 FPS	Uses Facility Site Location
104209	Vertical	Waste Gas Combustor 11	OP in 2011	Height: 150.0 FEET, Shape: Circular, Diameter: 10.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 116.6 FPS	Uses Facility Site Location
104210	Vertical	Waste Gas Combustor 12	OP in 2011	Height: 150.0 FEET, Shape: Circular, Diameter: 10.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 116.6 FPS	Uses Facility Site Location
104211	Vertical	Waste Gas Combustor	OP in 2011	Height: 150.0 FEET, Shape: Circular, Diameter: 10.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 116.6 FPS	Uses Facility Site Location
104212	Vertical	Waste Gas Combustor 31	OP in 2011	Height: 150.0 FEET, Shape: Circular, Diameter: 10.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 116.6 FPS	Uses Facility Site Location
104213	Vertical	Waste Gas Combustor 32	OP in 2011	Height: 150.0 FEET, Shape: Circular, Diameter: 10.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 116.6 FPS	Uses Facility Site Location
104214	Vertical	Waste Gas Combustor 41	OP in 2007	Height: 150.0 FEET, Shape: Circular, Diameter: 10.5 FEET, Temperature: 1,700.0 F, Flow Rate: 606,000.0 ACFM, Velocity: 116.6 FPS	Uses Facility Site Location

ID	Type	Description	Status	Details	Location
104215	Vertical	Emergency Generator 1 and 2	OP in 2007	Height: 4.0 FEET, Shape: Circular, Diameter: 0.25 FEET, Temperature: 1,075.0 F, Flow Rate: 353.0 ACFM, Velocity: 119.85 FPS	Uses Facility Site Location
104216	Vertical	Emergency Generator 3	OP in 2011	Height: 4.0 FEET, Shape: Circular, Diameter: 0.25 FEET, Temperature: 1,075.0 F, Flow Rate: 353.0 ACFM, Velocity: 119.85 FPS	Uses Facility Site Location
104217	Vertical	Emergency Generator 4	OP in 2007	Height: 4.0 FEET, Shape: Circular, Diameter: 0.25 FEET, Temperature: 1,075.0 F, Flow Rate: 557.0 ACFM, Velocity: 189.12 FPS	Uses Facility Site Location

CONTROL DEVICES				
ID	Description	Status	Control Measure	Controlled Pollutants
122506	Direct Flame Afterburner Primary 100 98	OP	21 - Direct Flame Afterburner	CO-Carbon Monoxide: 98.0%, SO <sub>2</sub> -Sulfur Oxides (SO <sub>x</sub> ) expressed as SO <sub>2</sub> : 98.0%, VOC-Volatile Organic Compounds (VOCs): 98.0%, 75150-Carbon disulfide: 98.0%, 463581-Carbonyl sulfide: 98.0%, 57125-Cyanide: 98.0%, 7783064-Hydrogen sulfide: 98.0%
122507	Fabric Filter / Baghouse Primary 100 96	OP	127 - Fabric Filter / Baghouse	PM <sub>25</sub> -PM <sub>2.5</sub> - Primary (Filterable + Condensable): 96.0%
122508	Fabric Filter / Baghouse Primary 100 98	OP	127 - Fabric Filter / Baghouse	PM <sub>10</sub> -PM <sub>10</sub> - Primary (Filterable + Condensable): 98.0%, PM <sub>25</sub> -PM <sub>2.5</sub> - Primary (Filterable + Condensable): 98.0%
122509	Fabric Filter / Baghouse Primary 100 99.9	OP	127 - Fabric Filter / Baghouse	PM <sub>10</sub> -PM <sub>10</sub> - Primary (Filterable + Condensable): 99.9%
122510	Recuperative Thermal Oxidizer Primary 100 98	OP	317 - Recuperative Thermal Oxidizer	CO-Carbon Monoxide: 98.0%, SO <sub>2</sub> -Sulfur Oxides (SO <sub>x</sub> ) expressed as SO <sub>2</sub> : 98.0%, VOC-Volatile Organic Compounds (VOCs): 98.0%, 75150-Carbon disulfide: 98.0%, 463581-Carbonyl sulfide: 98.0%, 7783064-Hydrogen sulfide: 98.0%

EMISSION UNITS				
ID	Type	Description	Status	Details
18480	100 - Boiler	Boiler NO 1	OP in 2002	Operation Start : , Design Capacity: 6.1 E6BTU/HR
18481	100 - Boiler	Boiler NO 2	OP in 2002	Operation Start : , Design Capacity: 6.28 E6BTU/HR
18482	999 - Unclassified	CLEAN-UP BAG FILTER NO 1	OP in 2002	Operation Start : , Design Capacity:
18483	999 - Unclassified	CLEAN-UP BAG FILTER NO 2	OP in 2002	Operation Start : , Design Capacity:
18484	999 - Unclassified	CLEAN-UP BAG FILTER NO 3	OP in 2002	Operation Start : , Design Capacity:
18485	999 - Unclassified	CLEAN-UP BAG FILTER NO 4	OP in 2002	Operation Start : , Design Capacity:
18486	770 - Transfer Point	Shipping Dept Clean-up Bagfiller 1	OP in 2002	Operation Start : , Design Capacity:
18487	270 - Incinerator	Thermal Oxidizer NO 1	OP in 2002	Operation Start : , Design Capacity: 147.0 E6BTU/HR
18488	270 - Incinerator	Thermal Oxidizer NO 2	OP in 2002	Operation Start : , Design Capacity: 87.0 E6BTU/HR
18489	270 - Incinerator	Thermal Oxidizer NO 3	OP in 2002	Operation Start : , Design Capacity:
18490	400 - Storage Tank	CB Storage Tanks	OP in 2002	Operation Start : , Design Capacity:
18491	400 - Storage Tank	Feed stock tank 65,000 Bbl	OP in 2002	Operation Start : , Design Capacity:
33837	770 - Transfer Point	Shipping Dept Clean-up Bagfiller 2	OP in 2005	Operation Start : , Design Capacity:
41787	790 - Other bulk material equipment	Sealed Bin Clean Up Bag Filter 1	OP in 2007	Operation Start : , Design Capacity:
47431	600 - Chemical Reactor	Production Unit 1	OP in 2007	Operation Start : , Design Capacity:
47467	600 - Chemical Reactor	Production Unit 2	OP in 2007	Operation Start : , Design Capacity:
47472	600 - Chemical Reactor	Production Unit 3	OP in 2007	Operation Start : , Design Capacity:
47474	600 - Chemical Reactor	Production Unit 4	OP in 2007	Operation Start : , Design Capacity:
105127	290 - Other combustion	Production Unit 1 - Transition Events	OP in 2007	Operation Start : , Design Capacity:
105128	290 - Other combustion	Production Unit 2 - Transition Events	OP in 2007	Operation Start : , Design Capacity:
105129	999 - Unclassified	Production Unit 3 - Transition Events	OP in 2007	Operation Start : , Design Capacity:
105130	999 - Unclassified	Production Unit 4 - Transition Events	OP in 2007	Operation Start : , Design Capacity:
105131	999 - Unclassified	EBF 4	OP in 2007	Operation Start : , Design Capacity:
105132	999 - Unclassified	Sealed Bin Clean-Up Bagfilter NO 2	OP in 2007	Operation Start : , Design Capacity:
105133	999 - Unclassified	Transloading Clean-Up Bagfilter	OP in 2007	Operation Start : , Design Capacity:
105138	999 - Unclassified	Dryer 11 Firebox	OP in 2007	Operation Start : , Design Capacity:
105139	999 - Unclassified	Dryer 12 Firebox	OP in 2007	Operation Start : , Design Capacity:
105140	999 - Unclassified	Dryer 21 Firebox	OP in 2007	Operation Start : , Design Capacity:
105141	999 - Unclassified	Dryer 31 Firebox	OP in 2007	Operation Start : , Design Capacity:
105142	999 - Unclassified	Dryer 32 Firebox	OP in 2007	Operation Start : , Design Capacity:
105143	999 - Unclassified	Dryer 41 Firebox	OP in 2007	Operation Start : , Design Capacity:
105144	999 - Unclassified	Reactor 11	OP in 2007	Operation Start : , Design Capacity:
105145	999 - Unclassified	Reactor 12	OP in 2007	Operation Start : , Design Capacity:



ID	Type	Description	Status	Details
105146	999 - Unclassified	Reactor 21	OP in 2007	Operation Start : , Design Capacity:
105147	999 - Unclassified	Reactor 31	OP in 2007	Operation Start : , Design Capacity:
105148	999 - Unclassified	Reactor 32	OP in 2007	Operation Start : , Design Capacity: 23.55 E6BTU/HR
105149	999 - Unclassified	Reactor 41	OP in 2007	Operation Start : , Design Capacity: 46.61 E6BTU/HR
105150	270 - Incinerator	Waste Gas Combustor 11	OP in 2007	Operation Start : , Design Capacity: 19.3 E6BTU/HR
105151	270 - Incinerator	Waste Gas Combustor 12	OP in 2007	Operation Start : , Design Capacity: 24.3 E6BTU/HR
105152	270 - Incinerator	Waste Gas Combustor 21	OP in 2007	Operation Start : , Design Capacity: 19.3 E6BTU/HR
105153	270 - Incinerator	Waste Gas Combustor 31	OP in 2007	Operation Start : , Design Capacity: 24.3 E6BTU/HR
105154	270 - Incinerator	Waste Gas Combustor 32	OP in 2007	Operation Start : , Design Capacity: 19.3 E6BTU/HR
105155	270 - Incinerator	Waste Gas Combustor 41	OP in 2007	Operation Start : , Design Capacity: 19.3 E6BTU/HR
105156	160 - Reciprocating IC Engine	Emergency Generator 1 and 2	OP in 2007	Operation Start : , Design Capacity: 63.0 HP
105157	160 - Reciprocating IC Engine	Emergency Generator 3	OP in 2007	Operation Start : , Design Capacity: 63.0 HP
105158	160 - Reciprocating IC Engine	Emergency Generator 4	OP in 2007	Operation Start : , Design Capacity: 110.0 HP

UNIT PROCESSES					
Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
18480 Boiler NO 1	42562	10200603	Natural Gas - < 10 Million BTU/hr	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 18213 - Boiler NO 1 stack: 100.0%
18481 Boiler NO 2	42563	10200603	Natural Gas - < 10 Million BTU/hr	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 18214 - Boiler NO 2 Stack: 100.0%
18482 CLEAN-UP BAG FILTER NO 1	42564	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122507-Fabric Filter / Baghouse Primary 100 96, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 18215 - CLEAN UP BAG FILTER NO 1: 100.0%
18483 CLEAN-UP BAG FILTER NO 2	42565	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 18216 - CLEAN-UP BAG FILTER NO 2: 100.0%
18484 CLEAN-UP BAG FILTER NO 3	42566	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 18217 - CLEAN-UP BAG FILTER NO 3: 100.0%
18485 CLEAN-UP BAG FILTER NO 4	42567	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 18218 - CLEAN-UP BAG FILTER NO 4: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
<b>18486</b> Shipping Dept Clean-up Bagfiller 1	<b>42568</b>	30100508	Carbon Black Production - Bagging/Loading	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 18219 - Shipping Dept CUBF NO 1: 100.0%
<b>18487</b> Thermal Oxidizer NO 1	<b>42569</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 18220 - Thermal OxidizerNO 1 - TOx for Production Units 1 and 2: 100.0%
<b>18488</b> Thermal Oxidizer NO 2	<b>42570</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 18221 - TO NO 2 - The TOx for Production Unit NO 3: 100.0%
<b>18489</b> Thermal Oxidizer NO 3	<b>42571</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 18222 - TO NO 4 - Production Unit NO 3: 100.0%
<b>18490</b> CB Storage Tanks	<b>42572</b>	30100599	Carbon Black Production - Other Not Classified	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 18223 - CB Storage Tank: 100.0%
<b>18491</b> Feed stock tank 65,000 Bbl	<b>42573</b>	40400301	Oil and Gas Field Storage and Working Tanks - Fixed Roof Tank: Breathing Loss	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 18224 - Feedstock Storage Tank vent: 100.0%
<b>18491</b> Feed stock tank 65,000 Bbl	<b>42574</b>	40400302	Oil and Gas Field Storage and Working Tanks - Fixed Roof Tank: Working Loss	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 18224 - Feedstock Storage Tank vent: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
<b>33837</b> Shipping Dept Clean-up Bagfiller 2	<b>140845</b>	30100508	Carbon Black Production - Bagging/Loading	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 33538 - Shipping Dept. CUBF NO 2: 100.0%
<b>41787</b> Sealed Bin Clean Up Bag Filter 1	<b>149632</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 41618 - Sealed Bin Clean Up Bag Filter: 100.0%
<b>47431</b> Production Unit 1	<b>156094</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: Yes Description: Recuperative Thermal Oxidizer and other measures <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122510-Recuperative Thermal Oxidizer Primary 100 98, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 47207 - Thermal Oxidizer NO 1: 100.0%
<b>47467</b> Production Unit 2	<b>156116</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: Yes Description: Recuperative Thermal Oxidizer and other measures <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122510-Recuperative Thermal Oxidizer Primary 100 98, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 47234 - Thermal Oxidizer NO 1: 100.0%
<b>47472</b> Production Unit 3	<b>156119</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: Yes Description: Recuperative Thermal Oxidizer and other measures <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122510-Recuperative Thermal Oxidizer Primary 100 98, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 47238 - Thermal Oxidizer NO 2: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
<b>47474</b> Production Unit 4	<b>156120</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: Yes Description: Recuperative Thermal Oxidizer and other measures <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122510-Recuperative Thermal Oxidizer Primary 100 98, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% <b>Release Point Apportionment:</b> 47239 - Thermal Oxidizer NO 3: 100.0%
<b>105127</b> Production Unit 1 - Transition Events	<b>221128</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled. <b>Release Point Apportionment:</b> 104185 - EPN 3: 100.0%
<b>105128</b> Production Unit 2 - Transition Events	<b>221129</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled. <b>Release Point Apportionment:</b> 104186 - EPN 7: 100.0%
<b>105129</b> Production Unit 3 - Transition Events	<b>221130</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled. <b>Release Point Apportionment:</b> 104187 - EPN 11: 100.0%
<b>105130</b> Production Unit 4 - Transition Events	<b>221131</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled. <b>Release Point Apportionment:</b> 104188 - EPN 20: 100.0%
<b>105131</b> EBF 4	<b>221132</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled. <b>Release Point Apportionment:</b> 104189 - EBF 4: 100.0%
<b>105132</b> Sealed Bin Clean-Up Bagfilter NO 2	<b>221133</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% <b>Release Point Apportionment:</b> 104190 - Sealed Bin Clean-Up Bagfilter NO 2: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
<b>105133</b> Transloading Clean-Up Bagfilter	<b>221134</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: Yes Description: Fabric Filter / Baghouse <u>Control Devices:</u> 122508-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  <b>Release Point Apportionment:</b> 104191 - Transloading Clean-Up Bagfilter: 100.0%
<b>105138</b> Dryer 11 Firebox	<b>221139</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104197 - Dryer 11 Firebox stack: 100.0%
<b>105139</b> Dryer 12 Firebox	<b>221140</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104198 - Dryer 12 Firebox: 100.0%
<b>105140</b> Dryer 21 Firebox	<b>221141</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104199 - Dryer 21 Firebox: 100.0%
<b>105141</b> Dryer 31 Firebox	<b>221142</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104200 - Dryer 31 Firebox: 100.0%
<b>105142</b> Dryer 32 Firebox	<b>221144</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104201 - Dryer 32 Firebox: 100.0%
<b>105143</b> Dryer 41 Firebox	<b>221145</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104202 - Dryer 41 Firebox: 100.0%
<b>105144</b> Reactor 11	<b>221146</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104203 - Reactor 11: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
<b>105145</b> Reactor 12	<b>221147</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104204 - Reactor 12: 100.0%
<b>105146</b> Reactor 21	<b>221148</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104205 - Reactor 21: 100.0%
<b>105147</b> Reactor 31	<b>221149</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104206 - Reactor 31: 100.0%
<b>105148</b> Reactor 32	<b>221150</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104207 - Reactor 32: 100.0%
<b>105149</b> Reactor 41	<b>221151</b>	30100504	Carbon Black Production - Oil Furnace Process: Main Process Vent	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104208 - Reactor 41: 100.0%
<b>105150</b> Waste Gas Combustor 11	<b>221152</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104209 - Waste Gas Combustor 11: 100.0%
<b>105151</b> Waste Gas Combustor 12	<b>221153</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104210 - Waste Gas Combustor 12: 100.0%
<b>105152</b> Waste Gas Combustor 21	<b>221154</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104211 - Waste Gas Combustor: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
<b>105153</b> Waste Gas Combustor 31	<b>221155</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104212 - Waste Gas Combustor 31: 100.0%
<b>105154</b> Waste Gas Combustor 32	<b>221156</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104213 - Waste Gas Combustor 32: 100.0%
<b>105155</b> Waste Gas Combustor 41	<b>221157</b>	30100502	Carbon Black Production - Thermal Process	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104214 - Waste Gas Combustor 41: 100.0%
<b>105156</b> Emergency Generator 1 and 2	<b>221158</b>	20200253	Natural Gas - 4-cycle Rich Burn	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104215 - Emergency Generator 1 and 2: 100.0%
<b>105157</b> Emergency Generator 3	<b>221159</b>	20200253	Natural Gas - 4-cycle Rich Burn	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104216 - Emergency Generator 3: 100.0%
<b>105158</b> Emergency Generator 4	<b>221160</b>	20200253	Natural Gas - 4-cycle Rich Burn	OP	<b>Control Approach</b> Controlled?: No Description: Control approach not specified. Assumes not controlled.  <b>Release Point Apportionment:</b> 104217 - Emergency Generator 4: 100.0%



PROCESS EMISSIONS						
Emission Unit ID	Unit Process ID	Throughput			Operations	
18480 Boiler NO 1	42562 Natural Gas - < 10 Mllion BTU/hr	Annual Throughput: 19.62 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 6.0, Weeks/Year: 50.0 Actual Hours/Year: 7,267.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.824
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.981
		PM10-FR1 - PM 10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.075
		PM25-FR1 - PM 2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.075
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.006
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.054
Emission Unit ID	Unit Process ID	Throughput			Operations	
18481 Boiler NO 2	42563 Natural Gas - < 10 Mllion BTU/hr	Annual Throughput: 26.359 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 8,760.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.993
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	1.183
		PM10-FR1 - PM 10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.09
		PM25-FR1 - PM 2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.09
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.007
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.065
Emission Unit ID	Unit Process ID	Throughput			Operations	
18482 CLEAN-UP BAG FILTER NO 1	42564 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 38,583.556 TONS (Oil) (Output)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 49.0 Actual Hours/Year: 8,168.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM 10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.462
		PM25-FR1 - PM 2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.462
Emission Unit ID	Unit Process ID	Throughput			Operations	
18483 CLEAN-UP BAG FILTER NO 2	42565 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 33,620.067 TONS (Oil) (Output)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 49.0 Actual Hours/Year: 8,149.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	

Emission Unit ID	Unit Process ID	Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.105
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.105
Emission Unit ID	Unit Process ID	Throughput			Operations	
18484 CLEAN-UP BAG FILTER NO 3	42566 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 31,818.686 TONS (Oil) (Input)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 47.0 Actual Hours/Year: 7,967.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.051
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.051
Emission Unit ID	Unit Process ID	Throughput			Operations	
18485 CLEAN-UP BAG FILTER NO 4	42567 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 55,422.682 TONS (Oil) (Input)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 49.0 Actual Hours/Year: 8,165.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.327
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.327
Emission Unit ID	Unit Process ID	Throughput			Operations	
18486 Shipping Dept Clean-up Bagfiller 1	42568 Carbon Black Production - Bagging/Loading	Annual Throughput: 51.912 TONS (Carbon Black) (Output)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 22.0 Actual Hours/Year: 3,675.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.052
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.052
Emission Unit ID	Unit Process ID	Throughput			Operations	
18487 Thermal Oxidizer NO 1	42569 Carbon Black Production - Thermal Process	Annual Throughput: 25.634 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	1.077
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	1.282
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.097
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.097
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.008

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.07
Emission Unit ID	Unit Process ID	Throughput			Operations	
18488 Thermal Oxidizer NO 2	42570 Carbon Black Production - Thermal Process	Annual Throughput: 14.897 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.626
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.745
		PM10-FR - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.057
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.057
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.004
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.041
Emission Unit ID	Unit Process ID	Throughput			Operations	
18489 Thermal Oxidizer NO 3	42571 Carbon Black Production - Thermal Process	Annual Throughput: 0.033 1000 STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
		PM10-FR - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
18490 CB Storage Tanks	42572 Carbon Black Production - Other Not Classified	Annual Throughput: 95,772.33383 TONS (Carbon Black) (Output)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 8,760.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.418
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.418
Emission Unit ID	Unit Process ID	Throughput			Operations	

Emission Unit ID	Unit Process ID	Throughput	Operations			
18491 Feed stock tank 65,000 Bbl	42573 Oil and Gas Field Storage and Working Tanks - Fixed Roof Tank: Breathing Loss	Annual Throughput: 79,998.0 1000 GALLONS (Liquid) (Existing)	Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 8,760.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.381
Emission Unit ID	Unit Process ID	Throughput	Operations			
18491 Feed stock tank 65,000 Bbl	42574 Oil and Gas Field Storage and Working Tanks - Fixed Roof Tank: Working Loss	Annual Throughput: 79,998.0 1000 GALLONS (Liquid) (Input)	Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 8,760.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	1.198
Emission Unit ID	Unit Process ID	Throughput	Operations			
33837 Shipping Dept Clean-up Bagfiller 2	140845 Carbon Black Production - Bagging/Loading	Annual Throughput: 38.934 TONS (Carbon Black) (Output)	Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 16.0 Actual Hours/Year: 2,750.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.039
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.039
Emission Unit ID	Unit Process ID	Throughput	Operations			
41787 Sealed Bin Clean Up Bag Filter 1	149632 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 25.956 TONS (Carbon Black) (Output)	Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 26.0 Actual Hours/Year: 4,436.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.026
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.026
Emission Unit ID	Unit Process ID	Throughput	Operations			
47431 Production Unit 1	156094 Carbon Black Production - Thermal Process	Annual Throughput: 8,603,759.0 GALLONS (Oil) (Input)	Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.162
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	223.567
		PM10-FR1 - PM10 - Primary (Filterable + Condensible)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	33.937

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	33.937
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	624.642
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.791
		75150 - Carbon disulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		463581 - Carbonyl sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		57125 - Cyanide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		7783064 - Hydrogen sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
47467 Production Unit 2	156116 Carbon Black Production - Thermal Process	Annual Throughput: 5,741,023.39 GALLONS (Oil) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.1411
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	194.807
		PM10-FR1 - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	29.5716
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	29.5716
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	444.5091
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.6893
		75150 - Carbon disulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		463581 - Carbonyl sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		57125 - Cyanide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		7783064 - Hydrogen sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
47472 Production Unit 3	156119 Carbon Black Production - Thermal Process	Annual Throughput: 5,556,973.97 GALLONS (Oil) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0984
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	211.4843
		PM10-FR1 - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	36.6655

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	36.6655
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	480.8748
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0648
		75150 - Carbon disulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		463581 - Carbonyl sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		57125 - Cyanide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		7783064 - Hydrogen sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
47474 Production Unit 4	156120 Carbon Black Production - Thermal Process	Annual Throughput: 9,445,413.12 GALLONS (Oil) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0214
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	305.8553
		PM10-FR1 - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	68.0399
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	68.0399
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	697.6867
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	4.7186
		75150 - Carbon disulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		463581 - Carbonyl sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		57125 - Cyanide			3_0 - Mass Balance Formula (no EF)	0.0
		7783064 - Hydrogen sulfide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
105127 Production Unit 1 - Transition Events	221128 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 18,894.0 POUNDS (Oil) (Input)			Average Hours/Day: 0.2, Days/Week: 1.0, Weeks/Year: 10.0 Actual Hours/Year: 2.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			10_0 - OK DEQ Approved Method (no EF)	0.0
		NOX - Nitrogen Oxides (NOx) expressed as NO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		PM10-FR1 - PM10 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0
		SO2 - Sulfur Oxides (SOx) expressed as SO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			10_0 - OK DEQ Approved Method (no EF)	0.0

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		463581 - Carbonyl sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		57125 - Cyanide			10_0 - OK DEQ Approved Method (no EF)	0.0
		7783064 - Hydrogen sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
105128 Production Unit 2 - Transition Events	221129 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 16,504.0 POUNDS (Oil) (Input)			Average Hours/Day: 0.2, Days/Week: 1.0, Weeks/Year: 10.0 Actual Hours/Year: 2.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			10_0 - OK DEQ Approved Method (no EF)	0.0
		NOX - Nitrogen Oxides (NOx) expressed as NO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0
		PM25-FR1 - PM 2.5 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0
		SO2 - Sulfur Oxides (SOx) expressed as SO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			10_0 - OK DEQ Approved Method (no EF)	0.0
		75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		463581 - Carbonyl sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		57125 - Cyanide			10_0 - OK DEQ Approved Method (no EF)	0.0
		7783064 - Hydrogen sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
105129 Production Unit 3 - Transition Events	221130 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 15,975.0 POUNDS (Carbon Black) (Input)			Average Hours/Day: 0.2, Days/Week: 1.0, Weeks/Year: 10.0 Actual Hours/Year: 2.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			10_0 - OK DEQ Approved Method (no EF)	0.0
		NOX - Nitrogen Oxides (NOx) expressed as NO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0
		PM25-FR1 - PM 2.5 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0
		SO2 - Sulfur Oxides (SOx) expressed as SO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			10_0 - OK DEQ Approved Method (no EF)	0.0
		75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		463581 - Carbonyl sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		57125 - Cyanide			10_0 - OK DEQ Approved Method (no EF)	0.0
		7783064 - Hydrogen sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
105130 Production Unit 4 - Transition Events	221131 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 13,576.0 POUNDS (Carbon Black) (Input)			Average Hours/Day: 0.2, Days/Week: 1.0, Weeks/Year: 10.0 Actual Hours/Year: 2.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			10_0 - OK DEQ Approved Method (no EF)	0.0
		NOX - Nitrogen Oxides (NOx) expressed as NO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			10_0 - OK DEQ Approved Method (no EF)	0.0
		SO2 - Sulfur Oxides (SOx) expressed as SO2			10_0 - OK DEQ Approved Method (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			10_0 - OK DEQ Approved Method (no EF)	0.0
		75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		463581 - Carbonyl sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
		57125 - Cyanide			10_0 - OK DEQ Approved Method (no EF)	0.0
		7783064 - Hydrogen sulfide			10_0 - OK DEQ Approved Method (no EF)	0.0
Emission Unit ID	Unit Process ID	Throughput			Operations	
105131 EBF 4	221132 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 55,422.68 TONS (Oil) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			3_0 - Mass Balance Formula (no EF)	48.936
		NOX - Nitrogen Oxides (NOx) expressed as NO2			3_0 - Mass Balance Formula (no EF)	32.484
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	1.739
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	1.739
		VOC - Volatile Organic Compounds (VOCs)			3_0 - Mass Balance Formula (no EF)	3.021
Emission Unit ID	Unit Process ID	Throughput			Operations	
105132 Sealed Bin Clean-Up Bagfilter NO 2	221133 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 6.489 TONS (Carbon Black) (Input)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 7.0 Actual Hours/Year: 1,236.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.006
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.006
Emission Unit ID	Unit Process ID	Throughput			Operations	
105133 Transloading Clean-Up Bagfilter	221134 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 6.489 TONS (Carbon Black) (Output)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 8.0 Actual Hours/Year: 1,350.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.006
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.006
Emission Unit ID	Unit Process ID	Throughput			Operations	
105138 Dryer 11 Firebox	221139 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 0.448 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			3_0 - Mass Balance Formula (no EF)	0.002
		NOX - Nitrogen Oxides (NOx) expressed as NO2			3_0 - Mass Balance Formula (no EF)	2.236



		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.339
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.339
		VOC - Volatile Organic Compounds (VOCs)			3_0 - Mass Balance Formula (no EF)	0.008
Emission Unit ID	Unit Process ID	Throughput			Operations	
105139 Dryer 12 Firebox	221140 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 0.7861 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			3_0 - Mass Balance Formula (no EF)	0.002
		NOX - Nitrogen Oxides (NOx) expressed as NO2			3_0 - Mass Balance Formula (no EF)	2.236
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.339
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.339
		VOC - Volatile Organic Compounds (VOCs)			3_0 - Mass Balance Formula (no EF)	0.008
Emission Unit ID	Unit Process ID	Throughput			Operations	
105140 Dryer 21 Firebox	221141 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 0.2032 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			3_0 - Mass Balance Formula (no EF)	0.003
		NOX - Nitrogen Oxides (NOx) expressed as NO2			3_0 - Mass Balance Formula (no EF)	3.896
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.591
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.591
		VOC - Volatile Organic Compounds (VOCs)			3_0 - Mass Balance Formula (no EF)	0.014
Emission Unit ID	Unit Process ID	Throughput			Operations	
105141 Dryer 31 Firebox	221142 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 0.3802 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			3_0 - Mass Balance Formula (no EF)	0.001
		NOX - Nitrogen Oxides (NOx) expressed as NO2			3_0 - Mass Balance Formula (no EF)	2.115
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.367
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.367
		VOC - Volatile Organic Compounds (VOCs)			3_0 - Mass Balance Formula (no EF)	0.001
Emission Unit ID	Unit Process ID	Throughput			Operations	
105142 Dryer 32 Firebox	221144 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 0.345 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			3_0 - Mass Balance Formula (no EF)	0.001
		NOX - Nitrogen Oxides (NOx) expressed as NO2			3_0 - Mass Balance Formula (no EF)	2.115

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-FRI - PM 10 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.367
		PM25-FRI - PM 2.5 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	0.367
		VOC - Volatile Organic Compounds (VOCs)			3_0 - Mass Balance Formula (no EF)	0.001
Emission Unit ID	Unit Process ID	Throughput			Operations	
105143 Dryer 41 Firebox	221145 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 0.6194 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			3_0 - Mass Balance Formula (no EF)	0.0
		NOX - Nitrogen Oxides (NOx) expressed as NO2			3_0 - Mass Balance Formula (no EF)	6.117
		PM10-FRI - PM 10 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	1.361
		PM25-FRI - PM 2.5 - Primary (Filterable + Condensable)			3_0 - Mass Balance Formula (no EF)	1.361
		VOC - Volatile Organic Compounds (VOCs)			3_0 - Mass Balance Formula (no EF)	0.094
Emission Unit ID	Unit Process ID	Throughput			Operations	
105144 Reactor 11	221146 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 171.429 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	7.2
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	8.571
		PM10-FRI - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.651
		PM25-FRI - PM 2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.651
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.051
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.471
Emission Unit ID	Unit Process ID	Throughput			Operations	
105145 Reactor 12	221147 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 169.457 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	7.117
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	8.473
		PM10-FRI - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.644
		PM25-FRI - PM 2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.644
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.051

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.466
Emission Unit ID	Unit Process ID	Throughput			Operations	
105146 Reactor 21	221148 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 104.152 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	4.374
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	5.208
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.396
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.396
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.031
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.286
Emission Unit ID	Unit Process ID	Throughput			Operations	
105147 Reactor 31	221149 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 104.152 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	4.374
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	5.208
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.396
		PM25-FR1 - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.396
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.031
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.286
Emission Unit ID	Unit Process ID	Throughput			Operations	
105148 Reactor 32	221150 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 186.826 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	7.847
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	9.341
		PM10-FR1 - PM 10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.71

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.71
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.056
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.056
Emission Unit ID	Unit Process ID	Throughput			Operations	
105149 Reactor 41	221151 Carbon Black Production - Oil Furnace Process: Main Process Vent	Annual Throughput: 187.55 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	7.877
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	9.377
		PM10-FR - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.713
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.713
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.506
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.516
Emission Unit ID	Unit Process ID	Throughput			Operations	
105150 Waste Gas Combuster 11	221152 Carbon Black Production - Thermal Process	Annual Throughput: 0.448 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.019
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.022
		PM10-FR - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
Emission Unit ID	Unit Process ID	Throughput			Operations	
105151 Waste Gas Combustor 12	221153 Carbon Black Production - Thermal Process	Annual Throughput: 0.786 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.033

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.039
		PM10-PRI - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.003
		PM25-PRI - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.003
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
Emission Unit ID	Unit Process ID	Throughput			Operations	
105152 Waste Gas Combustor 21	221154 Carbon Black Production - Thermal Process	Annual Throughput: 0.203 1000 STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.009
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.01
		PM10-PRI - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
		PM25-PRI - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
Emission Unit ID	Unit Process ID	Throughput			Operations	
105153 Waste Gas Combustor 31	221155 Carbon Black Production - Thermal Process	Annual Throughput: 0.38 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.016
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.019
		PM10-PRI - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
		PM25-PRI - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
Emission Unit ID	Unit Process ID	Throughput			Operations	
105154 Waste Gas Combustor 32	221156 Carbon Black Production - Thermal Process	Annual Throughput: 0.345 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.014
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.017
		PM10-FR - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
Emission Unit ID	Unit Process ID	Throughput			Operations	
105155 Waste Gas Combustor 41	221157 Carbon Black Production - Thermal Process	Annual Throughput: 0.619 MILLION STANDARD CUBIC FEET (Natural Gas) (Input)			Average Hours/Day: 24.0, Days/Week: 5.0, Weeks/Year: 52.0 Actual Hours/Year: 6,240.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.026
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.031
		PM10-FR - PM10 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
		PM25-FR - PM2.5 - Primary (Filterable + Condensable)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
		SO2 - Sulfur Oxides (SOx) expressed as SO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.0
		VOC - Volatile Organic Compounds (VOCs)			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
Emission Unit ID	Unit Process ID	Throughput			Operations	
105156 Emergency Generator 1 and 2	221158 Natural Gas - 4-cycle Rich Burn	Annual Throughput: 1,575.0 HORSEPOWER-HOURS (Natural Gas) (Input)			Average Hours/Day: 1.0, Days/Week: 1.0, Weeks/Year: 25.0 Actual Hours/Year: 25.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.002
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.001
Emission Unit ID	Unit Process ID	Throughput			Operations	
105157 Emergency Generator 3	221159 Natural Gas - 4-cycle Rich Burn	Annual Throughput: 3,017.7 HORSEPOWER-HOURS (Natural Gas) (Input)			Average Hours/Day: 1.0, Days/Week: 1.0, Weeks/Year: 48.0 Actual Hours/Year: 48.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.004
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.003

Emission Unit ID	Unit Process ID	Throughput	Operations				
105158 Emergency Generator 4	221160 Natural Gas - 4- cycle Rich Burn	Annual Throughput: 3,065.7 HORSEPOWER-HOURS (Natural Gas) (Input)	Average Hours/Day: 1.0, Days/Week: 1.0, Weeks/Year: 28.0 Actual Hours/Year: 28.0  Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%				
			Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
			CO - Carbon Monoxide			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.004
		NOX - Nitrogen Oxides (NOx) expressed as NO2			8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	0.003	